



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

HV gate valve, Series 140, DN 200 (ID 8'')
Ordering No. 14046-CE01

Description

Flange	CF-F 200
Actuator	handwheel
Feedthrough	Rotary feedthrough

Technical data

Leak rate	- Valve body	$< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$
	- Valve seat	$< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$
Pressure range		$1 \cdot 10^{-8} \text{ mbar to 2 bar (abs)}$
Differential pressure on the gate		$\leq 2 \text{ bar}$
Differential pressure at opening		$\leq 30 \text{ mbar}$
Conductance (molecular flow)		$12\,200 \text{ ls}^{-1}$
Cycles until first service	- Unheated and under clean conditions	200 000
Temperature (Maximum values: depending on operating conditions and sealing materials)	- Valve body	$\leq 150 \text{ }^\circ\text{C}$
	- Manuel actuator	$\leq 80 \text{ }^\circ\text{C}$
Heating and cooling rate		$50 \text{ }^\circ\text{C h}^{-1}$
Material (main components)	- Valve body	AISI 304 (1.4301)
	- Mechanism	AISI 304 (1.4301)
Seal	- Bonnet	FKM (Viton [®]), O-ring
	- Gate	FKM (Viton [®]), O-ring
Mounting position		any
Weight		32 kg (70.55 lbs)

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